

L5 ANSWER 58 OF 575 CA COPYRIGHT 2004 ACS on STN
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 TI Manufacture of plugging cement-barite-fly ash
 mortar for casing of wells
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 SO Russ., No pp. given
 CODEN: RUXXE7

DT Patent
 LA Russian

IC ICM E21B033-138
 ICS E21B021-06

CC 58-3 (Cement, Concrete, and Related Building Materials)
 Section cross-reference(s): 51

FAN.CNT 1

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PI	RU 2161695	C2	20010110	RU 1998-122632	19981215
PRAI	RU 1998-122632		19981215		

AB New plugging mortar is used for drilling oil and gas wells in formations
 with abnormally high pressures within temp. range of 60-140.degree..
 Grouting mortar contains Portland cement 15.38-25.74, barite
 22.06-46.15, power station fly ashes 15.38-25.74 wt.%, and water
 in the balance. Portland cement is first mixed with fly ashes
 and resulting mixt. is then introduced into vacuum hydraulic mixer
 simultaneously with 70-80 wt. % of barite based on its projected amt. and
 water fed under pressure. The obtained slurry is
 stirred and hydraulically activated in hydraulic mixer. After addn. of
 the rest of barite, hydraulic activation of soln. is repeated several
 times at pressure of 8-12 MPa. The resulting grout has increased heat
 resistance and strength of cement stone.
 ST plugging cement mortar fly ash barite oil
 well
 IT Mortar